Item 1-12 require vote of LAJ Curricula and A&S Faculty
Items 13-16 require vote of LAJ Curricula only

Part I
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Item 2. New Course—Classics—CLS 0030
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Part II
Item 13. Course Change Description—Anthropology—ANTH 0126
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Item 15. Delete Course—CIS—CIS 0135
Item 16. Change Program—Earth & Ocean Sciences—Change to Major and Minor

Part I
Item 1. NEW COURSE - Anthropology
From: Tatiana Chudakova, 6176273243, tatiana.chudakova@tufts.edu
Department Chair: Sarah Pinto, 6176275642, sarah.pinto@tufts.edu
ANTH 0026 Anthropology of Socialism and Postsocialism

Bulletin Description: Anthropology of socialism and postsocialism, analyzing political, economic, and sociocultural transformations in the former Soviet Union and other socialist states. Takes a global approach; juxtaposes post-socialism with post-colonial and post-industrial processes. Explores power and resistance; ethnicity and nationalism; gender and body politics; health and illness; commodification and consumption; religion, magic, and rationality; resource extraction; environmental changes; and criminal economies. No prerequisites.

Next Anticipated Offering: Fall 2017

Rationale. The course familiarizes students with contemporary forms of anthropological analysis and theory through studies of state socialism and its aftermath. For prospective majors, it introduces students to important disciplinary trends, such as the anthropology of the state, economic anthropology, anthropology of science and technology, medical anthropology,
linguistic anthropology, and anthropology of religion. It also familiarizes them with some foundational texts in post-colonial theory. For non-majors, especially for students in International Relations and History, it expands their regional expertise in contemporary Russia, Eastern Europe, China, Central Asia, and Cuba while introducing them to anthropological methods that foster a critical take on cross-cultural comparative approaches. This course will be a regular offering by Tatiana Chudakova in the anthropology department, who previously taught it as a Gateway Special Topics course in Fall 2016. **Overlap.** This course could be complementary to courses in International Relations and History. I have reached out to Rachel Applebaum in History and Oxana Shevel in IR whose area foci are most closely related to this course, and we identified no conflict for next year. **Resource Requirements/ Curricular Adjustments.** This course will be taught by assistant professor Tatiana Chudakova. Should enrollments require a teaching assistant in future years, or should the instructor be on academic leave, Harvard has a strong area studies center that could supply course assistants and interim instructors. **Requirements.** Gateway and Area requirements
ARB Review Requested:
Distribution Credit Social Sciences
Culture Option Russian Culture

**Item 2. NEW COURSE - Classics**
*From: Andreola Rossi, 6172335959, andreola.rossi@tufts.edu*
*Department Chair: Ioannis Evrigenis, 617 6274106, Ioannis.Evrigenis@tufts.edu*

**CLS 0030 From Aristophanes to South Park**
*Bulletin Description:* Interdisciplinary study of the comic tradition from Aristophanes to modern sitcoms and movies. Special attention given to the analysis of the carnival origin of comedy, the social, religious, and political function of comedy, the structure of the comic plot, the trickster, the comic hero, and the comic type. Authors include: Aristophanes, Menander, Plautus, Shakespeare, Molière, Goldoni, Beckett, Ionesco, Fo, and Black and Native-American folktales. Secondary readings include Aristotle, Freud, Hobbes, Bakhtin, and Nietzsche. All readings in English.

**Next Anticipated Offering:** In the Fall of 2017 and, likely, every other year afterwards.

**Rationale.** While different departments at Tufts offer courses on individual comic authors, or on specific historical periods, there is no interdisciplinary course that tracks the development of the (Western) comic tradition from its origins to the present day. This course fills such a gap and offers a systematic overview of the evolution of this important literary genre. This course will be part of my regular course offerings at Tufts. The course has been offered the past Fall Semester (2016) as a Special Topic course (Classics 83) and was titled “The Comic Tradition.” This course will be 3 semester hours.

**Overlap.** As mentioned above, the course does not present an overlap with any of the courses offered at Tufts (I have checked course offerings in the English Department, Romance Language Department, Drama Department.) Previous to my teaching the course in the Fall of 2016, a copy of the syllabus was sent to the Drama Department, The English Department, and the Romance Language Department. A Poster of the course was given to the above Departments. **Resource Requirements/ Curricular Adjustments.** The course will be taught by me. **Requirements.** Counts as an elective for all Classics majors and minors.
Item 3. NEW COURSE - Drama and Dance

From: Sheriden Thomas, 617.627.2534, sheriden.thomas@tufts.edu
Department Chair: Renata Celichowska, Director of Dance, 617.627.2555, renata.celichowska@tufts.edu

DNC 0049 Tai Chi: An Experience of Time and Tempo

Bulletin Description: Experiential introduction to Tai Chi using the Tai Ji Quan (Tai Chi) and Yi Jin Jing exercises practiced by Master Ham-King Koo’s Society of Nanlaoshu in NYC. Study of the first chapter of the Tai Chi form embodied at varied speeds for a greater experience of time and the expressive reality of tempo. Two versions of Lao Tzu’s Tao Te Ching are read throughout the semester.

Next Anticipated Offering: Every semester, ongoing.

Rationale. The Dance Program has seen an increased interest from students for courses that offer opportunities for body/mind learning. Over the past six semesters during which this course has been offered, students have expressed appreciation for the incredible value of slowing down and becoming more aware of the balance between their mental and physical health. The experiences in this class provide the time and space for inner reflection and connection to their full humanity. Within the Department of Drama and Dance, this Tai Chi course provides a unique intersection of both the drama and dance disciplines. In the realm of drama, the practice cultivates tools involved in safely embodying the creation of distilled human experience. In the discipline of dance, the course provides a safe introduction to somatic practice. It is currently the only course solely dedicated to somatics. Outside of the Department of Drama and Dance, Tai Chi: An Experience in Time & Tempo has been taken by a wide variety of students. While study and reference is made to Tai Chi in a number of courses offered in the Philosophy Department, this is the only course that is experientially based. Therefore, we do not see it as a conflict with any other departments or courses, but rather as a creative complement to those courses. Currently the course is possible due to the expertise of an existing faculty member. This course has been offered, every semester since Fall 2014 which makes six times. All semesters the course title was: All below were Special Topics all titled: Tai Ji Quan: An Experience in Time & Tempo 2014 Fall DNC 0091-15(83482)//DR 0093-01(83497) 2015 Spring DNC 0092-04(20861)//DR 0094-04(24123) 2015 Fall DNC 0091-15(82344)//DR 0093-01(82669) 2016 Spring DNC 0092-03(23073)//DR 0094-04(22949) 2016 Fall DNC 0091-15(61318)//DR 0093-01(61293) 2017 Spring DNC 0092-03(20386)//DR0094-04(22478)

Overlap. This course does not overlap with other courses offered at Tufts. This course can be seen as a complement to Professor Monica Link’s Special Topics seminar: PHIL91 Freedom from Self and the World since the Tai Chi course provides an experiential approach while the seminar does not. A student of both classes — Jiaxun (Leila) Li, Tufts University 2019, International Relations major, jiaxun.li@tufts.edu — wrote “I really like how the two classes complement each other on experiential and theoretical levels. Julia Yun, who took Tai Chi too, is also in my class.” (Email to Monica Link and Sheriden Thomas, December 22, 2016.) Early outreach for the course was made to the Tufts University Physical Education Department to establish that no courses in Tai Chi were planned. A review of current course offerings confirms
that no similar course is being offered. The Department of Philosophy currently offers a course in Introduction to Chinese Philosophy taught by Monica Link was taught in 2014 as a Special Topic. It includes, as part of the course content, an examination of the Tao Te Ching text. However, there is no ongoing physical practice of Tai Chi involved in that course. The proposed course has been developed and taught by an existing full-time faculty member. Therefore, no additional outreach has been made.

**Resource Requirements/ Curricular Adjustments.** There is currently a full-time faculty member with expertise in this area of teaching. The course takes place in the Dance Program dance studios and has encountered no schedule conflicts for the space. There is no added expense in offering this course. Course is .5 credits/2 SHUs.

**Requirements.** 1) It fulfills drama major and minor elective requirements 2) It fulfills dance minor elective requirements 3) It fulfills general arts distribution electives for non majors

**ARB Review Requested:**

**Distribution Credit Arts**

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**Item 4. NEW COURSE - Drama and Dance**

*From: Sheriden Thomas, 617.627.2534, sheriden.thomas@tufts.edu*

*Department Chair: Heather Nathans, Chair, Dept. of Drama and Dance, 617.627.2222, heather.nathans@tufts.edu*

**DR 0103 Physical Comedy - Clown**

**Bulletin Description:** Introduction to the principles and practice of physical comedy. Emphasis on theatrical play, comic timing, finding and declaring the game, states of tension, complicity, clowning, clown combat, commedia, and buffoon. Essential investigation of how comedy works, and how to rediscover the playful, ferocious, vulnerable self in the creative moment.

**Prerequisite:** Permission of Instructor

**Next Anticipated Offering:** In rotation with other acting courses, perhaps every other year.

**Rationale.** At the most respected graduate actor programs throughout the country, physical comedy is considered an essential part of actor training. Physical comedy and clown are valued for their ability to clear blocks that prevent an actor from coming directly from who they are. In other words, being fully present and connected to yourself, the other actors and your audience. The challenge is to work from who you are, on impulse. This skill set will bring students to a fuller and more flexible expressive power as an actor. Student evaluations of the course: “I began to realize that the clown, and even just acting and performance, is an extension of self. Comedy and tragedy can be found in everything, and everything can be conveyed through the clown.”

“As a performer, it taught me how best to inhabit my body and act with greater attention to physicality, humor, and complicity with my fellows.”    “I don't think that much differently - I am different. One, when we reach beyond what we can think of, we can unlock special knowledge of ourselves. I didn't know I could do belly laugh before this class, but I learned it from the most unexpected moment when I was forced to run on stage to do something without planning. Two, this quote is real “When an extrovert learns to experience the world like an introvert, or vice versa, it is as if he or she discovered a whole missing dimension to the world. The same happens if a very feminine person learns to act in what we consider a masculine manner. Or if an objective, analytic person decides to trust intuition for a change. In all of these cases, a new realm of experience opens up in front of us, which means that in effect we double and the double again the content of life”  So true.”

All of the faculty within the Drama and
Dance Department have been supplied with the description of this course. Outside the department there is no impact because this is an acting class not an academic course. Aside from the occasional course taught by a tenured faculty in the drama department, I am the teacher of acting at Tufts. Currently the course is possible due to the expertise of an existing faculty member. This course has been offered three times Physical Comedy – Clown 2014 Fall Special Topics DR 0093-05(83152) Titled “Clown” Changed to “Physical Comedy-Clown” going forward 2016 Spring Special Topics DR 0094-05(22821) 2017 Spring Special Topics DR 0094-05(20324) –Full credit, 3 SHUs

**Overlap.** I can think of no other departments or instructors whose course work or subject matter would conflict with this class. If any should cover such topics as comedy or clown it would be academic rather than experiential sense. My acting courses are all experiential

**Resource Requirements/ Curricular Adjustments.** There are no significant resources required for this class.

**Requirements.** 1) It fulfills general arts distribution electives for non majors 2) It fulfills Drama Major and Minor elective requirements

**ARB Review Requested:**

**Distribution Credit Arts**

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**Item 5. NEW COURSE - Drama and Dance**

*From: Sheriden Thomas, 617.627.2534, sheriden.thomas@tufts.edu*  
*Department Chair: Heather Nathans, Chair, Dept. of Drama and Dance, 617.627.2222, heather.nathans@tufts.edu*

**DR 0111 Acting as a Career**

**Bulletin Description:** Introduction to self-promotion and the business mindset including auditioning before guest directors and casting directors and working with cold readings, monologues, and commercial copy. Preparation for graduate school acting programs. Topics include career development and building professional relationships. Prerequisite: Sophomore standing and permission of instructor. Completion of a Tufts acting class, especially Acting Shakespeare, strongly recommended.

**Next Anticipated Offering:** In rotation with other acting courses, perhaps every other year.

**Rationale.** Students in the dramatic arts, as well as students in other disciples, require specific training to be ready to present themselves as worthy job applicants. A recent student evaluation captured the value of this course: “This class has prepared me more for my life outside of college than any other class I’ve taken at Tufts. It really is a prep class for a career in acting, and every major should have a class like it.” Within the Department of Drama and Dance, this course could be seen as increasing the value of the acting curriculum by clearly preparing students to take their skills into their life after graduation. What’s more, adding this course will increase the number of upper level acting courses. Importantly, adding this course is part of a larger process to update the acting curriculum; it has been over 14 years since the last update. One goal of rethinking and reworking the acting curriculum is to provide a richer collection of choices for actor-centric drama majors and minors. It will also address the impact that will come with the new major in Film and Media Studies. Students today are very aware of the increasing importance in today’s market of communication skills, teamwork and personal presentation. The revised acting curriculum will provide greater access for a larger group of Tufts students interested in taking an upper level acting course as part of their undergraduate experience.
Because this is a practical and experiential course for actor centric students there is no conflict outside of the Department of Drama and Dance. Film and Media faculty members are aware this class is being taught. Currently the course is possible due to the expertise of an existing faculty member. This course has been offered, three times since 2008. Business of Acting All below were Special Topics. 2008 Fall Special Topics DR 0093-01(82147) Business Aspects of Acting (name changed to Business of Acting) 2012 Spring Special Topics DR 0094-03(22090) 2016 Fall Special Topics DR 0093-04(61295)

Overlap. This course does not overlap with other courses offered at Tufts. I have looked at the course listings for Film and Media Studies and saw no acting or business classes listed. I have announced in a Drama and Dance Department Faculty meeting that these courses were being submitted for listing in the catalogue.

Resource Requirements/ Curricular Adjustments. There is currently a full-time faculty member with expertise in this area of teaching. There is no added expense in offering this course.

Requirements. 1) It fulfills drama major and minor elective requirements 2) It fulfills general arts distribution electives for non-majors

ARB Review Requested:

Distribution Credit Arts

Item 6. NEW COURSE - Economics

From: Yannis Ioannides, 6176273294, yannis.ioannides@tufts.edu
Department Chair: Daniel Richards, 61762772679, dan.richards@tufts.edu

EC 0117 Economics of Social Interactions and Social Networks

Bulletin Description: Exploration of how quantitative tools have been used to study examples of social networks and to identify social interaction effects that pervade social networks and economic life. Overview and synthesis of the literature on social network effects that are important for many economic phenomena. Draws from studies by sociologists, economists, computer scientists, physicists, and mathematicians. Prerequisite: EC 15 or EC 107 or consent.

Next Anticipated Offering: AY 2017-2018

Rationale. This course, in a fast developing but very new area of economics, has been offered twice as an upper level quant econ elective. Social networks pervade our social and economic lives. They are important when we look for jobs and while, well, networking! They are important in determining how diseases spread, which products we buy, which languages we speak, how we vote, whether we engage in illegal activities, how much education we obtain, and our prospects in professional success. They can also help explain international relations! Social networks have structure, and some network structures are more likely to emerge in a society, and are related to social organization in the broad sense. Social interactions is short for the social elements in modern economics. The course goes in depth in both concepts, which they are complementary. Social networks are important because they involve social interactions. Social interactions may manifest themselves through social networks.

Overlap. Course can complement offerings by Computer Science and Math. It appealed to joint majors with those departments and their specific tools did enrich the class’ research performance. The course has been advertised via colleagues in those departments.

Resource Requirements/ Curricular Adjustments. To be taught by Professor Yannis M. Ioannides, who has expertise in the areas of the proposed course.
**Requirements.** As a Quantitative Economics elective adds to the department's regular upper level offerings. It is also open to graduate students, and graduate students did take it when it was offered twice in the past, Spring 2015 and Fall 2016.

ARB Review Requested:
Distribution Credit Social Sciences

**Item 7. NEW COURSE - Economics**
*From: Lynne Pepall, 6176273560, lynne.pepall@tufts.edu*
*Department Chair: Dan Richards, 6176273560, dan.richards@tufts.edu*

**EC 0174 Advertising and Imperfect Competition**

**Bulletin Description:** How advertising affects consumer demand, firm rivalry, two-sided platforms, consumer welfare and market efficiency. The role of advertising in a market economy under imperfect information and imperfect competition; examining empirical research on the impact of advertising on market performance; analysis of case studies. Prerequisite: EC 11 and EC 13.

**Next Anticipated Offering:** Each semester except if and when I go on leave.

**Rationale.** The course satisfies the new seminar requirement for our majors, and is an opportunity to teach advanced micro economic topics in a context that is both of interest and is familiar to our students. The course is part of my regular teaching load and I have taught the course each semester, F2014, S2015, F2015, S2016, F2016 as a special topics course Ec 191-1 or Ec 191-2, under the following titles, Economics of Advertising, Advertising and Imperfect Competition, Advertising and Nonprice Competition.

**Overlap.** The course is designed for economic and quantitative economic majors who have completed the intermediate core prerequisites for these majors. For this reason it is difficult for non-majors to enroll in the course. There is no overlap with other courses taught at Tufts, although it is topic that is attractive to many of our students.

**Resource Requirements/ Curricular Adjustments.** No significant resource needs. This is a new course that I developed upon returning to my faculty position. It is unique to our Economics major.

**Requirements.** Upper level economics course that satisfies our seminar requirement.

ARB Review Requested:
Distribution Credit Social Sciences

**Item 8. NEW COURSE - Environmental Studies**
*From: Ninian Stein, x7-0952, Ninian.Stein@Tufts.edu*
*Department Chair: Ujjayant Chakravorty, 617.627.6649, Ujjayant.Chakravorty@tufts.edu*

**ENVS 0110 Environmental Humanities**

**Bulletin Description:** Place-based knowledge, land ethics, indigenous knowledge, and traditional ecological knowledge, to social change, justice, narrative conventions, and connections with science and technology including contributions from indigenous and local communities. Primary source analysis will include literature, historical texts, and visual works.

**Next Anticipated Offering:** Every Fall Semester

**Rationale.** The Environmental Studies Program created a track in the Environmental Humanities. This course represents the creation of a new introductory course focused entirely on supporting the new track and preparing its students for future studies in the full range and
diversity of the Environmental Humanities.

**Overlap.** We are not aware of any introductory course that overlaps with this course. All faculty teaching advanced courses that this course may feed directly into are we believe on the ENVS Environmental Humanities Committee and support the creation of this formal introductory course.

**Resource Requirements/ Curricular Adjustments.** New hire in the history department, James Rice will teach the course alternate years, alternating frequently with Ninian Stein from Environmental Studies (ENVS) who has only been at Tufts for 1.5 years but also with other ENVS affiliated faculty members.

**Requirements.** This is the primary introductory course for the new Environmental Humanities Track in the Environmental Studies Co-Major.

**ARB Review Requested:**

**Distribution Credit**

*Humanities*

**World Civilizations Credit**

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**Item 9. NEW COURSE - Mathematics**

*From: Christoph Borgers, 617-627-2366, cborgers@tufts.edu*

*Department Chair: Misha Kilmer, 617-627-2006, misha.kilmer@tufts.edu*

**Math 0123 Mathematical Aspects of Data Analysis**

**Bulletin Description:** Dimension reduction and data compression via principal component analysis, and the singular value decomposition; k-means clustering; clustering via diffusion on weighted graphs; support vector machines; tensor data analysis; kernel trick. Homework includes programming. Prerequisite: MATH 70 or MATH 72. Some prior programming experience desirable, but not required. Only one of COMP 136 and MATH 123 can be taken for credit

**Next Anticipated Offering:** The course was taught as "Math 150" in the Spring of 2015, will be taught as "Math 150" in the Spring of 2016 again, and we hope to offer it fairly frequently in the future (though perhaps not quite once each year).

**Rationale.** This is a course on some standard techniques for analyzing large data sets. The course is intended primarily for mathematics and applied mathematics majors, but of course others are invited as well. Unlike other courses on similar topics taught on campus, this one does not assume a background in statistics. For the majors in the mathematics department, this is important: Requiring statistics as a prerequisite constrains the schedules of some of our students to such a high degree that they would not take this course if they had to take Statistics first. We do assume that the students know linear algebra. Data analysis is in fashion, but for good reasons: It is of course extremely useful and important in the sciences (and has been for centuries). Having taken a course on data analysis methods is likely to help our students on the non-academic job market. There are many data analysis-related job opportunities available to our graduates. The course was taught as "Math 150" in the Spring of 2015, will be taught as "Math 150" in the Spring of 2016 again, and we hope to offer it fairly frequently in the future (though perhaps not quite once each year).

**Overlap.** The closest existing course is Comp 136, Statistical Pattern Recognition. It has a Statistics prerequisite, and a Computer Science prerequisite, and these two prerequisites make it inaccessible for many of our majors, even many of the ones in Applied Mathematics. There is a graduate cousin of Comp 136 called Comp 236, which however would be even less accessible to many of our majors. While Comp 136 and the proposed Math 123 have some topics in common, they diverge in other ways. (Comp 136 does not include clustering based on diffusion on
weighted graphs, nor applications of tensors in data analysis, and it does include other topics that require a Statistics background.) Another somewhat related course is Comp 135, Introduction to Machine Learning and Data Mining. Our understanding is that it is taught at a lower level than Math 123, and in particular it has no Linear Algebra prerequisite, which is central to the proposed Math 123. We have discussed the proposed course with several members of the Computer Science faculty. They have mostly been supportive, and in fact plan to include Math 123 as a way of satisfying a requirement in a Data Science major in the School of Engineering that is under development. Roni Khardon, who often teaches Comp 136 and Comp 236, asked that we make the content more distinct from Comp 136 than it was in the Spring of 2016. We have taken a step in that direction by adding a segment on tensors in data analysis. However, we also see the difference in prerequisites (in particular, no Statistics prerequisite for Math 123) as a crucial difference between these courses.

Resource Requirements/ Curricular Adjustments. Any new course puts strains on our already severely over-taxed faculty resources. However, we feel that we really ought to offer a course of this kind to our majors. Enrollments in the course (taught as Math 150) have been strong: 20 students completed it in Spring of 2016, and 25 are currently enrolled for Spring of 2017.

Requirements. It will be an elective in both the Mathematics major, and the Applied Mathematics major.

ARB Review Requested:
Distribution Credit Mathematical Sciences

Item 10. NEW COURSE - Political Science
From: Jeffrey M. Berry, 617.407.0343, jeffrey.berry@tufts.edu
Department Chair: Deborah Schildkraut, 617.627.3492, deborah.schildkraut@tufts.edu

PS 0003 First-Year Tutorial in American Government
Bulletin Description: Introduction to American Politics through in-depth study of a particular theme in the American political process. Examples include: governmental institutions, public policies, social organizations, race and ethnicity, public opinion and political participation, the mass media, and interest groups. First-year students only.

Next Anticipated Offering: PS 003 First Year Tutorial in American Government Fall 2017
Rationale. The Department has created two Freshman tutorials already: PS 002 First Year Tutorial in Comparative Politics and PS 004 First Year Tutorial in Political Theory. The goal here is to create a general tutorial number/description for periodic offerings in the subfield of American Government. As with PS 002 and PS 004, the specific course focus for PS 003 will change depending on the semester and who is teaching it. More broadly, the Department's goal is two-fold: 1) to help the University offer smaller seminar style classes for first-year students; and 2) to give potential majors an option for small classes rather than our introductory courses, which are quite large. We have not offered this course as a first-year tutorial before.

Overlap. There is no significant overlap with other Tufts courses.

Resource Requirements/ Curricular Adjustments. No additional resources are needed by the University or Department. PS 003 will simply be part of the rotation of courses by American Government faculty in Political Science.

Requirements. The course will fulfill the distribution requirement for American Politics.

ARB Review Requested:
Distribution Credit Social Sciences
Item 11. NEW COURSE - Romance Languages

From: Cristiane Soares, 617-627-2725, cristiane.soares@tufts.edu
Department Chair: Pedro Palou, (617) 627-5766, pedro.palou@tufts.edu

POR 003/4 Intensive Intermediate Portuguese

Bulletin Description: POR 003/4 combines third and fourth semester Portuguese into one semester. Continues the study of grammar and syntax. Novels and crônicas (short stories) as the basis for class discussions and activities on cultural, social, and literary topics. Offered in various terms, this course allows students to continue with third-year Portuguese in the following semester. Conducted in Portuguese. Prerequisite: PORT 0002 and permission of instructor.

Next Anticipated Offering: Fall 2018

Rationale. This course will allow students, especially students minoring in Portuguese, to progress to the second part of the foreign language requirement. Since most of our students start Portuguese at the introductory level, an intense course will increase students’ chances to fulfill the requirements for the minor. 6 SHUs.

Overlap. As explained above, this course combines the content of two intermediate courses (POR 003 and POR 004). The intensive nature of the course will, however, attract a different population to the course, mainly students who want to pursue a minor in Portuguese.

Resource Requirements/ Curricular Adjustments. Full-time lecturer Cristian Soares and part-time lecturer Maria Champlin will teach this course.

Requirements. This course will allow students to form a foundation in Portuguese, which is necessary to register for more advanced classes required to fulfill the minor.

ARB Review Requested:
Distribution Credit Humanities
Item 12. NEW COURSE - Romance Languages

From: Cristiane Soares, 617-627-2725, cristiane.soares@tufts.edu
Department Chair: Pedro Palou, (617) 627-5766, pedro.palou@tufts.edu

POR 0193 Independent Study

Bulletin Description: Guided individual study of an approved topic in Portuguese studies or Lusophone literature or culture. Recommendations: One Portuguese language course above POR 0021 and instructor’s permission. Offered in various terms. Conducted in Portuguese.

Next Anticipated Offering: Fall 2017

Rationale. An independent study in Portuguese will give Portuguese minor students the chance to deepen their knowledge in a topic of their interest that is not necessarily taught in other courses offered in the program. 3 SHUs

Overlap. This course doesn't overlap with any other courses taught at Tufts.

Resource Requirements/ Curricular Adjustments. Portuguese coordinator, Cristaine Soares, and the Latin American Studies faculty in the Romance Languages Department (Nina Gerassi-Navarro, Pablo Ruiz, Pedro Palou, and José Antonio Mazzotti) could also teach ISs given their familiarity with the Luso-speaking world.

Requirements. Students can take one – but no more that one – independent study toward the minor.

ARB Review Requested:
Distribution Credit Humanities

Part II

Item 13. COURSE CHANGE DESCRIPTION - Anthropology

From: Alex Blanchette, 7814285097, alex.blanchette@tufts.edu
Department Chair: Sarah Pinto, 617-627-5842, sarah.pinto@tufts.edu

Current Number/Title: ANTH 0126 Food, Nutrition and Culture

Current Bulletin Description: Interplay of the act of eating with its biological and cultural correlates. Topics include subsistence strategies, sex differentials in food intake, and the nutritional impact of modernization; hunger and malnutrition in the developing world; historical and symbolic attributes of food, including taboo, valences, and national cuisines; and the relation of normal and abnormal eating behavior to gender and cultural norms of attractiveness.

New Description: Interplay of the act of eating with its biological and cultural correlates. Topics include cooking and the development of human social systems; physical and behavioral adaptations to diet; the relation of eating to human evolution; historical and symbolic attributes of food; dynamics and environmental consequences of global agribusiness; national cuisines; and food-based social movements for addressing injustice and inequality.

Next Anticipated Offering: Fall 2017

Rationale. This was a course that was taught for many years by retired Associate Professor Stephen Bailey. Assistant Professors Alex Blanchette (socio-cultural anthropology) and Zarin Machanda (biological anthropology) are planning on taking over the course. The new Bulletin language more accurately reflects the topics and approach they will take. This allows us to
continue to emphasize our department's strengths in studies of food and nutrition, while contributing to the Environmental Studies program's tracks in Food Systems and Nutrition.

**Overlap.** The only conceivable overlap is with ENV09: Food Systems. However that course is also co-taught by Alex Blanchette, and the material will be different (and they will not be taught in the same year).

**Resource Requirements/ Curricular Adjustments.** Other than being a co-taught course that uses two faculty, it will not affect staffing. It will likely require a TA, as it has long been a popular course in our major.

**Requirements.** It counted as an elective towards the major.

**Effects.** It will not affect the course's place within the anthropology major. Over time, this may become one of the core introductory courses offered for the Food Systems and Nutrition minor, and the similarly named track within Environmental Studies.

**Item 14. COURSE CHANGE TITLE & DESCRIPTION- English**

*From: Lee Edelman, 617-627-2046, lee.edelman@tufts.edu*

*Department Chair: Joseph Litvak, 617-627-2455, joseph.litvak@tufts.edu*

**Current Number/Title:** ENG 0180 Psychoanalysis and Cultural Criticism

**New Number/Title:** Psychoanalysis and Cinema

**Bulletin Description:** Advanced seminar in the relation between Lacanian psychoanalytic theory and contemporary literary and cultural analysis. Focus on various essays from Lacan's Ecrits and several of his seminars, with additional readings in literary theory selected from the works of authors including Jane Gallop, Judith Butler, Alenka Zupancic, Diana Fuss, Leo Bersani, and Joan Copjec. Recommendations: ENG 1, 2 REQUIRED or Fulfillment of College Writing Requirement. Recommended that the student already have taken either ENG 20,21,22, or 23.

**New Description:** Advanced seminar in the relation between psychoanalytic theory and the theory and practice of cinema. Focus on major psychoanalytic writings (primarily by Freud, Lacan, and Žižek) and important work in psychoanalytic film theory in relation to cinematic texts. Requirements: English major, FMS major, or permission of instructor.

**Next Anticipated Offering:** Spring 2015.

**Rationale.** The new description largely reflects the evolution of the course, which has long combined the study of psychoanalytic theory with film. Now that FMS has become a major, there is a greater need for upper level seminars to serve the large number of newly declared majors. As a member of the FMS faculty, I have decided, therefore, in consultation with Malcolm Turvey, the Chair of the FMS program, to shift the focus of the cultural criticism in the course to psychoanalytic film theory and to change the title to alert students to the cinematic context in which psychoanalysis is examined. The purpose of the change is to meet the needs of the FMS program while continuing to offer English majors a seminar that provides them with a foundation in psychoanalytic theory. Because FMS majors have had difficulty finding seats in the upper level seminars they need to complete the major, I am requesting as prerequisites, on the advice of FMS faculty, either FMS or English major status or permission of the instructor. Malcolm Turvey has proposed that the course be cross-listed as FMS 187.

**Overlap.** I have crafted these changes in conversation with Malcolm Turvey, Chair of the FMS program. Since the only substantive alteration (beyond changing the title) is the specific focus on psychoanalytic film theory, he seemed the appropriate person to consult. There is no other course.
offered at Tufts that centers on film and film theory in the context of psychoanalysis and this will therefore supplement the current FMS offerings.

**Resource Requirements/ Curricular Adjustments.** There will be no changes in terms of resources or staffing.

**Requirements.** It fulfilled the requirement for a course in literature after 1860.

**Item 15. DELETE COURSE - CIS**

*Department Chair: Julie Dobrow 617-627-4744, julie.dobrow@tufts.edu*

**CIS 135 LATINO THESIS**

**Bulletin Description:** Latino Studies in Thesis. Please see departmental website for specific details. The project required of students electing the interdisciplinary minor option. Either one-half or one course credit will be given at the discretion of the faculty members involved.

**Last Offering:** 2012

**Rationale.** Latino Studies is no longer part of Center for Interdisciplinary Studies.

**Item 16. CHANGE PROGRAM**

*From: Jack Ridge, 6176272890, jack.ridge@tufts.edu*

*Department Chair: Jack Ridge, 6176272890, jack.ridge@tufts.edu*

**Bulletin Description: UNDERGRADUATE CONCENTRATION REQUIREMENTS**

The Department of Earth and Ocean Sciences offers two programs: the geological sciences major, for students who wish to pursue graduate study in Earth and ocean sciences and related fields, or work at entry-level jobs; and the geology major, which emphasizes breadth and flexibility for students seeking a double major, teaching certification, entry to medical programs, or careers in multidisciplinary fields such as environmental law.

**Geological Sciences Major**

Students intending to continue with Earth and ocean sciences after graduation should complete the following courses: EOS 1, 2, 11, and 22. In addition, students must select a total of 6 more courses from the following groups: 3 courses from EOS 12, 13, 32, and 42; 1 course from EOS 131 and 133; and 2 courses above EOS 9 or from approved related fields courses. In addition, students must complete Mathematics 32, Chemistry 1, and Physics 1 or 11, and select 2 courses from Mathematics 34, Chemistry 2, Physics 2 or 12, and 1 course in statistics, selected from Mathematics 21 and Biology 132. The Chemistry and Physics courses must be taken with labs. Research experience and a six-week summer field camp are strongly recommended.

**Geology Major**

Students electing this option should complete EOS 1 and 2, eight other EOS courses (except EOS 9), plus Chemistry 1 and Physics 1 or 11 with labs. Approved related fields science courses may replace as many as three of the upper-level EOS courses for Arts and Sciences students. Engineering students with a double major in geology may use upper-level engineering courses to substitute for up to two of the upper-level EOS courses with prior written consent. No more than a total of four upper level EOS courses may be replaced by engineering and related fields courses.
for engineering students.

UNDERGRADUATE MINOR PROGRAMS

Geology Minor

The Department of Earth and Ocean Sciences offers a minor in geology available to students in the School of Engineering. The faculty advisor for this minor is Professor Anne Gardulski. Five courses are required for the minor. They normally include: EOS 1 The Dynamic Earth EOS 2 Environmental Geology EOS 22 Structural Geology or EOS 32 Geomorphology EOS 131 Groundwater One elective selected from the following: EOS 22 Structural Geology EOS 32 Geomorphology EOS 42 Sedimentology and Stratigraphy EOS 115 Quaternary and Glacial Geology EOS 132 Groundwater Chemistry and Quality EOS 133 Field Methods in Hydrogeology Note that EOS 1, 2, 22, 131, 132, and 133 are generally offered every year, but EOS 32, 42, and 115 are offered in alternate years. Schedule planning for these courses is important.

Geoscience Minor

The Department of Earth and Ocean Sciences offers a minor in geoscience available to Arts and Sciences students who are majoring in archaeology, biology, chemistry, computer science, mathematics, physics and astronomy, or quantitative economics. The faculty advisor for this minor is Professor Anne Gardulski. Five courses are required for the minor. They normally include: EOS 1 The Dynamic Earth EOS 2 Environmental Geology Three electives are also selected, in consultation with the faculty advisor. These courses are intended to complement the student’s major and scientific or mathematical interests.

New Description:

UNDERGRADUATE CONCENTRATION REQUIREMENTS

The Department of Earth and Ocean Sciences offers two programs: the geological sciences major, for students who wish to pursue graduate study in Earth and ocean sciences and related fields, or work at entry-level jobs; and the environmental geology major, which emphasizes breadth and flexibility for students seeking a double major, teaching certification, entry to medical programs, or careers in multidisciplinary fields such as environmental law.

Geological Sciences Major

Students intending to continue with Earth and ocean sciences after graduation should complete the following courses: EOS 1 or 2, 11, and 22. In addition, students must select a total of six more courses from the following groups: three courses from EOS 12, 13, 32, 42, and 52; one course from EOS 131 and 133; and two additional EOS or approved related fields courses. In addition, students must complete CHEM 1 or 11, and PHY 1 or 11, and one course from MATH 21 or 32, COMP 11, or BIO 132. The Chemistry and Physics courses must be taken with labs. CHEM 2, PHY 2 or 12, MATH 32 and 34, research experience and a six-week summer field camp are strongly recommended.

Environmental Geology Major

Students electing this option should complete either EOS 1 or 2, nine additional EOS courses, plus CHEM 1 or 11 and PHY 1 or 11 with labs. Approved related fields science courses may replace as many as three of the eight additional EOS courses for Arts and Sciences students. Engineering students with a double major in geology may use upper-level engineering courses to
substitute for up to two of the eight additional EOS courses with prior written consent. No more than a total of four EOS courses may be replaced by engineering and related fields courses for engineering students.

Geology Minor
The Department of Earth and Ocean Sciences offers a minor in geology available to students in the School of Engineering. The faculty advisor for this minor is Professor Anne Gardulski.

Five courses are required for the minor. They normally include:

- EOS 1 The Dynamic Earth or EOS 2 Environmental Geology
- EOS 22 Structural Geology or EOS 32 Geomorphology
- EOS 131 Groundwater

Two electives selected from the following:
- EOS 1 The Dynamic Earth or EOS 2 Environmental Geology
- EOS 5 Oceanography
- EOS 11 Mineralogy
- EOS 12 Igneous and Metamorphic Petrology
- EOS 22 Structural Geology
- EOS 32 Geomorphology
- EOS 42 Sedimentology and Stratigraphy
- EOS 51 Global Climate Change
- EOS 52 Paleoclimate
- EOS 104 Geological Applications of GIS
- EOS 115 Quaternary and Glacial Geology
- EOS 133 Field Methods in Hydrogeology

Note that EOS 1, 2, 22, 51, 52, 131, and 133 are generally offered every year, but EOS 32, 42, and 115 are offered in alternate years. Schedule planning for these courses is important.

Geoscience Minor
The Department of Earth and Ocean Sciences offers a minor in geoscience available to Arts and Sciences students who are majoring in archaeology, astronomy, biology, chemistry, computer science, mathematics, physics, or quantitative economics. The faculty advisor for this minor is Professor Anne Gardulski.

Five courses are required for the minor. They normally include:
- EOS 1 The Dynamic Earth or EOS 2 Environmental Geology

Four EOS course electives are also selected, in consultation with the faculty advisor. These courses are intended to complement the student’s major and scientific or mathematical interests.

Rationale.
1) Changing the name of the major in Geology to Environmental Geology
The EOS Dept. currently offers two programs of study: the Geological Sciences major, a structured
program intended for students who seek placement in graduate school in the geosciences; and the
Geology major, intended for students who will seek employment after graduation, teaching degrees,
or as a second major. Many of our students who graduate with this degree go on to employment in
the environmental sector—with consulting companies, engineering firms, government agencies, or
NGOs. With the change of name to Environmental Geology, we seek to more accurately reflect the
content, breadth, and potential of the degree program.

2) Changing introductory course requirement for both the Geological Sciences and Geology
(now Environmental Geology) majors from EOS 1 & 2 to either EOS 1 or EOS 2
Many of our majors come to us late in their academic career (as late as the second semester of
sophomore year) because of their lack of exposure to our science. We seek to reduce the
introductory courses for potential majors, thereby tracking them into higher-level courses more
rapidly. By requiring only one introductory course, these students will be able to get on track with
the major in an efficient manner. Either one of these courses can serve as an introduction to the
Earth sciences, as they serve to introduce the concepts of and convey an appreciation for the
science to an unfamiliar audience. Upper level courses can and will in the future fulfill what is not
covered if a student chooses EOS 2 over EOS 1 or vice versa.

3) Reduce the required supporting mathematics and science courses for the Geological
Sciences major to 3 instead of 5
In making this change we will reduce the required supporting science courses for Geological
Sciences majors from 5 to 3 in order to lower a barrier to completion of the major. Previously the
major required 15 courses including 5 supporting sciences (drawn from mathematics, chemistry,
and physics). With the change in introductory course requirements (in item #2 above) and this
change, students in this major will be required to take 12 courses instead of 15, which is more
closely aligned with the number of required courses in other science and mathematics majors at
Tufts, and with majors in Earth sciences at peer institutions. We will now require Geological
Sciences majors to take CHEM 1, PHY 1 or 11, and one of MATH 21, MATH 32, or CS 11.

4) Allow EOS 52 (Paleoclimate) to fulfill a requirement for the Geological Sciences major
This change incorporates a course taught by Prof. Andrew Kemp, who joined our faculty 3 years
ago, into the list of potential courses that can fulfill a portion of the Geological Sciences major.

5) Change of the Geology and Geoscience minors. Instead of requiring both EOS 1 and 2 we
will require EOS 1 or 2 and 4 additional courses.
This change aligns with the changes to the introductory course requirements for our majors.
Overlap. We have spoken to the directors (current and past) of the Environmental Studies
Program about changing the name of the Geology major to Environmental Geology. They were
both supportive of this change in that it may draw more science students into the Environmental
Studies Program.

Resource Requirements/ Curricular Adjustments. There are no changes in resource
requirements.

Planning. The whole faculty in EOS has been involved in the discussion and formulation of
these changes, which do not require any new faculty roles.

Chair Role Approval. Everyone in the department was involved in preparing these changes.